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Kelly Lake to Cheekye Substation
Second 500 kV Transmission Line

Public Consultation Report
Phases 1 & 2

Addendum - Phase 3

Submitted to:
B.C. Hydro
April 1991

Canadian Cataloguing in Publication Data
Synergistics Consulting Limited
Kelly Lake to Cheekye Substation second 500 kV transmission line public consultation report phases 1 & 2

Contents: [v. 4]. Addendum, phase 3
ISBN 0-7726-1334-6 (v. 4)

1. Electric lines - British Columbia - Squamish-Lillooet - Public opinion. 2. Electric power transmission - British Columbia - Squamish-Lillooet-Public opinion. I. B.C. Hydro. II. Title.

TK3144.S96 1991 621.319'13 C91-092152-0

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91-06888/

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ADDENDUM - PHASE 3

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1.0 Introduction

The purpose of this addendum is to summarize the Phase 3 consultation activities that have been undertaken for the Kelly Lake-Cheekye project since the conclusion of the Phase 2 program, at the end of September 1990. Phase 3 consultation is defined to include all activities from October 1, 1990 to February 28, 1991.

A number of changes have taken place in project planning since Phase 2 was concluded. Significant developments are outlined below.

1) The inclusion among the route options of non-Reserve routes (that do not cross any Indian Reserves). These options have been included in the event that B.C. Hydro and the Bands potentially affected by the proposed project cannot reach agreement on several issues now under discussion, by the time required for project planning and design. (A separate report on consultation with Bands is to be provided by B.C. Hydro.)

2) The replacement of the generally favoured route south of Daisy Lake by the High Cheakamus route, which runs east of Highway 99. This route was originally investigated in response to the concerns of residents of the Cheakamus Valley, who were opposed to the construction of the proposed transmission line on the existing 2L1 right-of-way.

3) The additional environmental and technical studies commissioned by B.C. Hydro on the 'Pinecrest (Pinecrest East and Pinecrest West) option', identified as a possible alternative to the northern part of the 'High Cheakamus' option.

4) The progress in discussions with the Lillooet Tribal Council and some Bands potentially affected by the proposed project.

5) The development of a line-list of property owners adjacent to short listed route options under consideration.

6) A visual impact study of the proposed transmission line in the Whistler area.

The main objectives of the Phase 3 consultation process were:

- to update the Squamish-Lillooet Regional District Board (SLRD) and its Advisory Group about the proposed project;
- to inform study area residents and property owners about project planning progress;
- to begin the process of informing property owners who might be affected by these new route options;

- to meet with the Resort Municipality of Whistler to try to resolve routing through the municipality;
- to meet with the residents of the Pinecrest and Black Tusk subdivisions to review route options in their area;
- to answer any outstanding concerns of property owners already contacted and to meet with them if requested;
- to continue to respond to the Public Information Requests (PIRs);
- to maintain an open communication process with the study area public (eg. holding meetings with those individuals or groups that request them) prior to the submission of the application to the Minister of Energy, Mines and Petroleum Resources.

There are a number of additional steps that are part of Phase 3 consultation. A third project newsletter was prepared for distribution to all property owners, those on the mailing list and households in the study area, and was mailed February 26, 1991. The public consultation report and the application will be sent to key stakeholder groups, such as the SLRD, municipalities, Bands and the Lillooet Tribal Council, interest groups and others on request. There may be a need for additional meetings with concerned property owners or stakeholder groups.

The process of contacting all potentially affected property owners along the length of every route option under consideration will be ongoing. A list of owners that will be contacted is being developed by B.C. Hydro and the Project Team will ensure that each individual owner has been notified of the current status of the project, by letter, at the time the application is submitted.

2.0 Methodology

There were three basic methods used during this stage of the consultation process. The first was to inform, by letter, all property owners along the length of the route options, about the new route alternatives, in addition to the existing route network. New route options included were: *Bridge* (West of Lillooet), *Soo-Rainbow Bypass* (Whistler area), *High Cheakamus* and *Pinecrest East and West* (south of Whistler). See Route Options map in *Appendix 1*. The second was to contact, by telephone, property owners along the length of the Bridge and High Cheakamus route options. The third was ongoing consultation with elected officials, interest groups and others to update them on project planning. The activities completed for Phase 3 consultation are briefly outlined below:

1) Distribution of letters and maps to Cheakamus residents describing the High Cheakamus route.

2) Telephone contact with people owning property adjacent to new route options who were not previously involved in the consultation process.

3) A meeting with representatives of the Ministry of Energy, Mines and Petroleum Resources, to update them on project planning and the status of the application.

4) Meetings with property owners.

5) A meeting with the SLRD Advisory Group.

6) A project presentation to property owners living in the Pinecrest subdivision.

7) Aerial and ground site tours with select property owners on request.

8) Project update letters distributed to MPs, MLAs, property owners, Mayors, the SLRD, the native Bands, the media and individuals on the mailing list.

9) Distribution of the third project newsletter.

Ongoing contact with Bands and the Lillooet Tribal Council is described in the Native Consultation report.

A chronology of Phase 3 consultation is displayed in the accompanying table.

Table 1.0
Chronology of Consultation
October 1, 1990 to February 28, 1991

Activity	Date
Meetings with property owners	Sept, Oct 1990
Meeting with Ministry of Energy, Mines and Petroleum Resources	October 12
Meeting with SLRD Advisory Group	October 29
Letters sent to Cheakamus residents	November 7
Phone interviews with Bridge option stakeholders	Nov 8, 16, 23
Meeting with High Cheakamus property owners	November 14
Aerial/ground site tour with Advisory Group member and Pinecrest property owner	November 20
Project presentation to Pinecrest property owners	November 21
On site tour with High Cheakamus property owners	November 22
Meeting with property owners near Cheekye substation	November 22
On site tour with High Cheakamus Property owner	December 4
Letter to Pinecrest/Black Tusk residents	January 23, 1991
Meeting with Yalakom/Applespring Creek residents	January 28
Meeting with Pemberton Valley residents	February 4
Meeting with Mayor of Pemberton	February 4
Meeting with Mayor of Whistler	February 7
Meeting with Agricultural Land Commission	February 12
Meeting with Bridge route option property owner	February 20
Distribution of third project newsletter	February 26
Project update letter to MPs, MLAs, Mayors, SLRD, Property owners, media, mailing list, Info centres, Pinecrest/Black Tusk residents	Feb 27 to Mar 1

3.0 Findings

3.1 Meetings

The results of the meetings held during Phase 3 consultation are presented below, in chronological order.

Meetings with Individual Property Owners

Meetings were held with individual property owners on September 5, 1990, and on October 29, 1990. The first meeting was with an individual who had concerns about routing in the Lower Cheakamus area, and in particular with the erosion of a tower of the 230,000 volt transmission line (2L1) directly south of her property. She also expressed concern about potential EMF effects. B.C. Hydro's local area production staff has been in contact with her about the erosion problem.

The second meeting was with an individual who has a continuing concern over induction problems from an existing transmission line that crosses his property. B.C. Hydro commissioned a report to determine the electric and magnetic field levels on the property and provide ways to remedy this induction problem. A copy of this report was given to the property owner. He wanted assurances that the existing level of induction would not rise. The line under discussion was 2L1, which would be removed if the Kelly Lake-Cheekye project is approved. B.C. Hydro representatives informed the property owner that the electric current flowing in all transmission lines, including the line under discussion (2L1) varies and therefore induction levels may rise or fall at any given time.

Ministry of Energy, Mines, and Petroleum Resources

On October 12, 1990, two members of the B.C. Hydro Project Team met with representatives of the Ministry of Energy, Mines, and Petroleum Resources to update them on the status of the project and to discuss B.C. Hydro's plans for an Energy Project Certificate. Discussions were also held about the scope and timing of the regulatory review process and B.C. Hydro's requirements for on-site survey work. Provincial Ministry comments on the Preliminary Planning Report and Planning Perspective were requested and later received by B.C. Hydro.

SLRD Advisory Group

B.C. Hydro Project Team representatives met with the Chairman of the Squamish-Lillooet Regional District and seven members of the nine member Advisory Group in Pemberton on October 29, 1990. This was the first meeting of the group whose role is to examine B.C. Hydro's routing proposals for the Kelly Lake-Cheekye project ensuring that the interests of the various areas in the region are represented and to report to the SLRD Board. (See Appendix 3 for a letter outlining the mandate of the Advisory Group.)

B.C. Hydro Project Team members gave an overview presentation about the project and a detailed review of the route options, including the non-Reserve options. In response to the presentation, the individuals present expressed the following opinions:

- the SLRD continues to support the use of the existing right-of-way and is opposed to the use of the Bridge or Soo-Rainbow options;
- the representative of the Garibaldi area wanted B.C. Hydro to consider a route on the west side of the Cheakamus Valley from the top of Cheakamus canyon to the vicinity of the Callaghan Valley;
- the removal of the 2L1 right-of-way would be supported by the Cheakamus residents;
- one person's view that B.C. Hydro should consider double circuiting the lines through Whistler.

The Project Team members agreed to arrange a meeting with the Garibaldi representative to discuss the routing south of the Callaghan Valley.

Property Owners on the Bridge Route Option

Telephone contact was made with four individuals who own property in the vicinity of the Bridge route option, which is being considered as a non-Reserve route option. One of the four property owners had no particular concerns about the proposal, but wished to be kept informed. The opinions of the other three property owners, which reflect those of the Yalakom residents who live in the same area, are summarized below:

- B.C. Hydro should continue to negotiate with native Bands to achieve agreement on routing the proposed transmission line along the generally favoured route, on the existing ROW through Reserve land;
- opposition to the Bridge option because of possible impacts to archaeological sites, wildlife habitat, wilderness values, and visual impacts;

- support use of the existing corridor;
- concern over impact of proposed transmission line on personal property values;
- B.C. Hydro should put more emphasis on conservation, utilizing the latest technology; and,
- opposition to the use of herbicides.

Aerial/ Ground Site Tour with Residents of Black Tusk and Pinecrest Subdivisions

In November 1990, B.C. Hydro Project Team members, a representative from the SLRD Advisory Group (residing in the Black Tusk subdivision) and a resident from the Pinecrest Estates subdivision completed an extensive aerial reconnaissance and ground tour to determine the viability and potential impacts of a route suggested on the west side of the Whistler Valley. One resident asked a number of general project-related questions including EMF effects, types of towers and conductors that would be used, and future transmission planning. It appeared that both the High Cheakamus route and the 'Pinecrest route' on the west side of the valley had advantages.

After the site tour, the two residents presented the B.C. Hydro personnel with a petition signed by 50 (out of a total of 95) Black Tusk residents and 33 (out of a total of 70) Pinecrest residents requesting the investigation of other route options. The Pinecrest Estates' resident also asked whether B.C. Hydro could make a presentation about the project to the Annual General Meeting of the Pinecrest strata title holders in Vancouver, scheduled for November, 1990. Another update is planned for Black Tusk Village and other Pinecrest Estate residents/owners in March 1991, at the Brackendale Art Gallery.

Presentation to Pinecrest Estates Strata Title Annual General Meeting

Two B.C. Hydro Project Team members made a project presentation to 23 Pinecrest residents at their annual general meeting in Vancouver on November 21, 1990. Residents' main interests were the following:

- visual impacts from the proposed line;
- EMF effects;
- proximity of the transmission line to homes in the area;
- the removal of 2L1; and,
- a comparison of the High Cheakamus route with the Pinecrest route.

The residents felt that the Pinecrest route might be preferable to the High Cheakamus route for aesthetic (visual) reasons and because potential EMF effects might be less significant.

As a result of the meeting, B.C. Hydro made a commitment to undertake environmental and route studies on the new Pinecrest West route on the west side of the Valley south of Whistler. The residents were also assured by B.C. Hydro that any requests for information received subsequent to this meeting would be promptly answered.

Meeting and Ground Site Tour with Swift Creek (Cheakamus Valley) Property Owners

B.C. Hydro Project Team members met with three property owners in Vancouver in November, 1990 to discuss the potential impact of the proposed High Cheakamus route on their jointly owned property in the Cheakamus area, east of Highway 99 and near Swift Creek. A ground site tour was also undertaken later the following week, with two of the three property owners. Their main concern was the potential visual impact from the proposed transmission line, since they have a panoramic view of the Tantalus Range from their property. It was determined that placing the proposed line east of their cabin was technically feasible and this suggestion satisfied the owners.

Meeting with Property Owners near the Cheekye Substation

Property owners of a district lot near the Cheekye Substation received the letter and map attachment from B.C. Hydro which described the High Cheakamus route. These three individuals requested a meeting with B.C. Hydro to clarify the exact location of the proposed transmission line in relation to their property.

Two members of B.C. Hydro's Project Team met with the residents on November 22, 1990 at Cheekye substation. After an explanation of the routing proposal, the residents were satisfied, though one of them wanted confirmation of the routing in writing. This information was provided in a letter sent February 22, 1991.

Meeting with the Applespring Creek/Yalakom Residents

On January 28, 1991, a meeting was held between three members of the Project Team and 27 residents of the Applespring Creek/Yalakom community in Lillooet. Attendees expressed many of the same opinions and concerns that they had mentioned in the previous two meetings held in November 1989 and August 1990. They reiterated their concerns about potential EMF effects and the destruction of wilderness values. Finally they stated their absolute opposition to the construction of a transmission line in their valley and their commitment to use whatever means necessary to stop such construction.

Meeting with Pemberton Valley Residents

A local resident invited Project Team representatives to a meeting with other interested residents on February 4, 1991 to discuss the proposed transmission line. Eleven Pemberton residents attended the meeting and B.C. Hydro representatives attempted to resolve routing details in the Pemberton Valley. However, residents were not interested in routing issues but rather in voicing their opposition to the project. They raised the following concerns and opinions:

- the overuse of the valley for transmission lines;
- the reason for discarding more circuitous alternatives such as the Elaho or Hurley;
- the potential for EMF effects;
- the long term use of the corridor for transmission lines;
- the valley's potential for residential development, though it is currently largely in the Agricultural Land Reserve (ALR);
- the lack of representation on the SLRD Advisory Group from the Pemberton area; and,
- support for routing along the existing 230,000 volt transmission line(2L1) corridor by about half the attendees.

B.C. Hydro agreed to study additional route alternatives suggested by residents and property owners. A further meeting to address these concerns was planned for March, 1991.

Meeting with the Mayor of Pemberton

A meeting was held between two Project Team members and the Mayor of Pemberton and an alderman in Pemberton on February 4, 1991. Various route options that would minimize disturbance to residents were discussed. Attendees agreed that a route adjacent to 500,000 volt line (5L42), which also included the removal of the 230 kV line from the valley and the downtown core, appeared to be a reasonable option. The Mayor also raised the possibility of double circuiting 5L46 with 5L42. B.C. Hydro agreed to investigate the costs of this suggestion. It was agreed that a meeting to discuss this issue would be held later in the spring of 1991.

Meeting with the Resort Municipality of Whistler (RMOW)

In February 1991, two members of the Project Team met with the Mayor and senior staff of the Municipality. The Municipality expressed the following concerns:

- the impacts of the transmission line on the Resort (neither route option is considered to be desirable);
- that future transmission lines will be located in the Whistler area;
- that more information is required about EMFs from an unbiased source; and,
- the need for independent advice on the justification for the project.

A number of action items were identified at the meeting. These are outlined below.

1. B.C. Hydro will suggest the names of some "system planning" experts who could review justification and tower design. The Municipality will pay for this review.
2. B.C. Hydro will provide costs for the re-alignment options at Green and Alta Lakes and Function Junction.
3. B.C. Hydro will contact the Director of Parks and Recreation to coordinate an analysis of the visual impacts of the alignments in the RMOW.
4. B.C. Hydro will provide the names of individuals outside B.C. Hydro who could provide additional EMF information.
5. B.C. Hydro will investigate the possibility of cost-sharing the distribution line adjacent to Highway 99.
6. B.C. Hydro will confirm these items in a letter to the RMOW.

B.C. Hydro confirmed these items in a letter to the Mayor and Council dated March 11, 1991.

Meeting with the Agricultural Land Commission

B.C. Hydro representatives met on February 12, 1991 with members of the Agricultural Land Commission to present to them project information and to clarify the effects of various alternatives on agricultural lands. Commission members asked questions related to the potential impact of the project on existing ALR property and the degree to which the farming community had been involved in the consultation process. They were also interested in routing through the Pemberton Valley.

Meeting with a Bridge Route Option Property Owner

A meeting was held on February 20, 1991 with an individual who owns property adjacent to the Bridge route option. A Project Team member gave project information to him and discussed various aspects of the project. The Project Team member also noted his concerns (which were similar to those expressed by the Yalakom residents) about the possible impacts of the project on his lifestyle and property.

3.2 Distribution of the Third Project Newsletter and Project Update Letters

The third project newsletter was distributed on February 26, 1991 to every household in the study area. The newsletter included information about the routes under consideration, the application process, and the consultation process. There was also a summary of community concerns and B.C. Hydro responses. (A copy of the newsletter is shown in *Appendix 1.*)

From February 27 to March 1, 1991 a series of project update letters, with newsletters attached, were sent to MPs and MLAs, Regional District Chairmen, mayors, property owners, people on the mailing list, media representatives, and information centres. The purpose of the letters was to provide a summary of the most important project developments that had occurred since June 1990. (Copies of these letters are included in *Appendix 3.*)

3.3 Public Information Requests

Response to Public Information Requests (PIRs) continued. Between October 1, 1990 and February 28, 1991, a total of 36 PIRs were received. By far the majority of the PIRs (19 out of 36) were concerned with routing. Requests for information on other topics included: project information, EMFs, vegetation management and other issues. (A brief summary of PIRs is shown in *Appendix 4.*)

4.0 Analysis

This section analyses the key issues that were identified during the Phase 3 consultation process. A total of fourteen meetings were held with a variety of stakeholder groups. The results of these are summarized below by 'type of group'.

In addition, a number of Public Information Requests were received by B.C. Hydro. A brief summary of these is included at the end of this section.

4.1 Stakeholder Issues

Provincial Government Agencies

Information meetings were held with the Ministry of Energy, Mines and Petroleum Resources and the Agricultural Land Commission. These were conducted as part of the energy project review process and did not raise any new issues.

Squamish-Lillooet Regional District Advisory Group

The first meeting between B.C. Hydro and the Advisory Group did not raise any issues that had not previously been identified in earlier phases of consultation. At the time of writing, the SLRD continues to support the use of the existing transmission corridor, and is opposed to the use of the non-Reserve Bridge option and to the use of the Soo-Rainbow option that would bypass Whistler.

Municipal Governments

No new issues have been raised since the conclusion of Phase 2 consultation by Squamish, Lillooet and most other municipalities. However, the Resort Municipality of Whistler, residents of the Pemberton area continued to address routing issues. Native Bands were also kept informed via project newsletters and letter updates. The Village of Pemberton supports a route option that is not in proximity to populated areas and approves of the removal of the 230 kV line from the Village and the Signal Hill Elementary School. B.C. Hydro also agreed to estimate costs for double circuiting 5L46 with 5L42, which would further reduce the impacts of transmission lines on the area. B.C. Hydro is planning to meet with the Council later in the spring.

The meeting with the Resort Municipality of Whistler (RMOW) reviewed project progress and options for routing through Whistler. There were inquiries as to whether B.C. Hydro could make this option more attractive, for example, by sharing the cost of installing underground distribution lines. B.C. Hydro made a commitment to investigate these

costs, to carry out several specific tasks requested by the RMOW, and to continue to keep the RMOW apprised of project status.

Property Owners

Yalakom residents and other Bridge route option property owners in the Lillooet area

The members of the Yalakom community as well as the property owners along the Bridge route option expressed the same concerns and opinions that have been recorded at previous meetings in Phases 1 and 2 of the consultation process. (See the Phase 1 and 2 Consultation Report.) Their response to the inclusion of non-Reserve routes in B.C. Hydro's application is that B.C. Hydro should negotiate with native Bands before the application is submitted. The Yalakom group continues to state its adamant opposition to the construction of any transmission line in the area (Applespring Creek, Antoine Creek, and Yalakom River Valleys). B.C. Hydro informed the residents that non-Reserve options would be proposed in the upcoming application but that the application would also include the option to route through Reserves, in the event that agreement with Bands was reached.

Pinecrest and Black Tusk residents

As route options became more defined during the second phase of consultation, residents of these subdivisions began to express some concerns about the visual and potential EMF impacts of the project. B.C. Hydro recognized these concerns and agreed to investigate the Pinecrest West route option that was identified by one of the subdivision residents. At the time of writing this report, these studies were underway.

Pemberton Valley residents

A number of residents of the Pemberton Valley continue to have fundamental concerns about the project and they have expressed these throughout the consultation process. They suggested that the only suitable route options in their vicinity would be to bypass the valley entirely.

Other residents

Throughout the study area there were a number of residents who had specific questions about routing and other concerns. Most of these individuals appeared to be satisfied with B.C. Hydro's responses, since letters received by B.C. Hydro via Public Information Requests were lower in number than in Phases 1 and 2.

4.2 Response to the Public Information Request (PIR) System

The number and type of project-related queries conveyed via PIRs contributes to the indication of the relative importance of issues to the study area residents. Over half the PIRs received during the third phase of consultation were concerned with routing of the proposed new transmission line, a fact which reflects greater public knowledge of and interest in the details of various alignments. There were a few requests for general project information and for information related to EMFs. However, the small number of these and other requests suggests that the majority of the public is satisfied with the information that B.C. Hydro has provided to date in meetings and publications (including the newsletters).

5.0 Conclusions and Recommendations

The third phase of consultation has met its intended objectives, especially with respect to maintaining contact with key stakeholders and with property owners who would be affected by the non-Reserve route options. B.C. Hydro has also demonstrated responsiveness to individuals and groups who requested meetings, tours or presentations.

The consultant's recommendations for further consultation are outlined below:

- distributing as soon as practical the consultation report and the project application to key stakeholders, such as the municipal and regional governments, Bands, and interest groups that have been involved in the consultation process up to now, and others;
- updating the line list of potentially affected property owners;
- providing the most recent project information, including the project application and the consultation reports, to B.C. Hydro District Offices, regional libraries, and municipal halls;
- maintaining ongoing communication with all key stakeholders; and,
- maintaining ongoing response to public information requests.

APPENDIX 1

ROUTE OPTIONS MAP

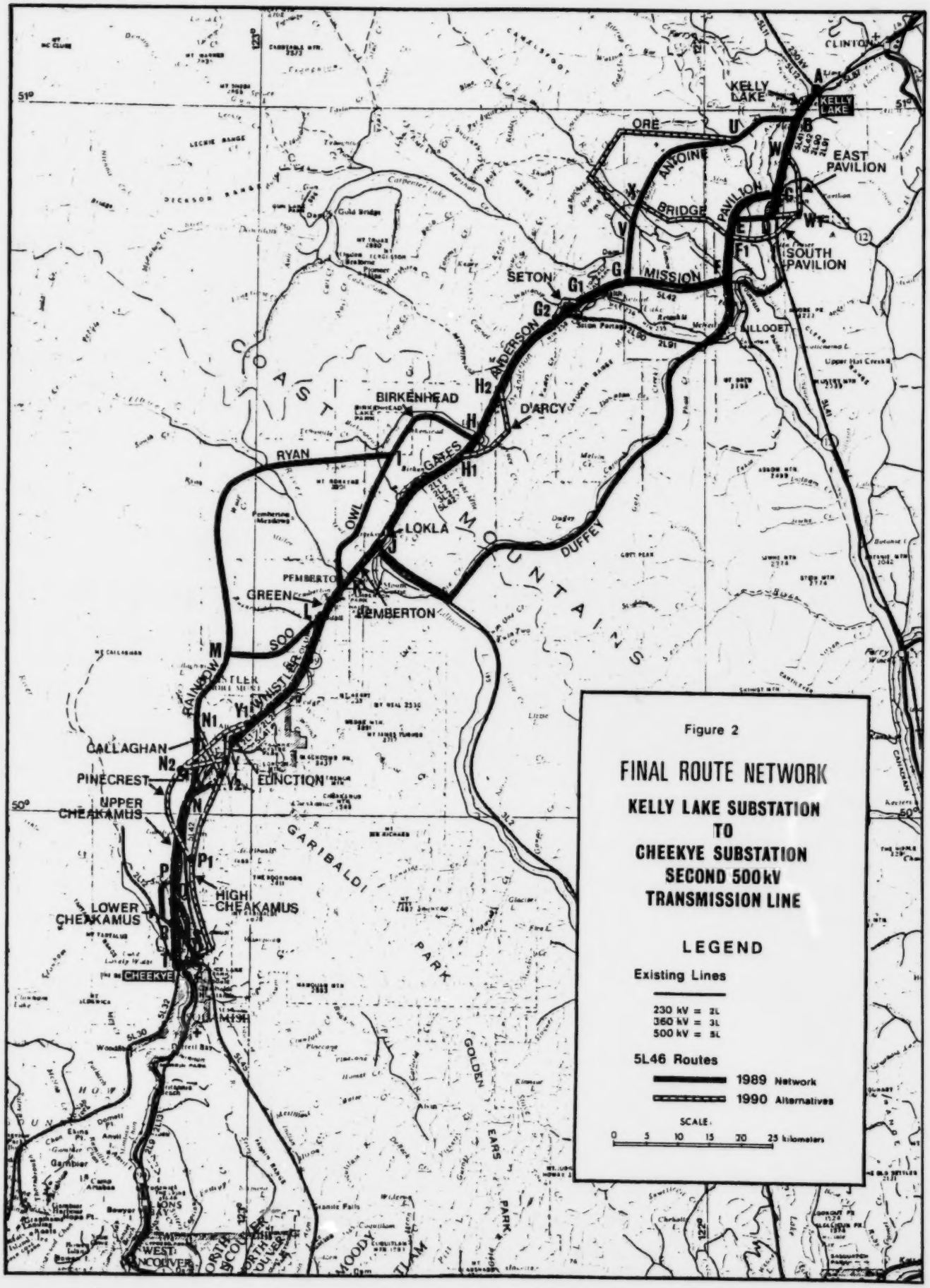


Figure 2

FINAL ROUTE NETWORK

KELLY LAKE SUBSTATION TO CHEEKYE SUBSTATION SECOND 500 kV TRANSMISSION LINE

LEGEND

Existing Lines

230 kV = 2L
360 kV = 3L
500 kV = 5L

5L46 Routes

1989 Network

1990 Alternatives

SCALE:

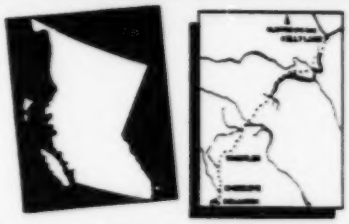
0 5 10 15 20 25 kilometers

APPENDIX 2

PROJECT NEWSLETTER

BC hydro

No. 3



February 1991

News Brief

Kelly Lake – Cheekye 500 kV transmission line

Project Update

May 1989
- established project team
- began technical / environmental studies
- opened communications with local and regional government

June 1989
- Press release issued
- Public Information Request (PIR) and toll-free information line established.

July- August 1989
- Established 9 information centres
- Met with interest groups.

September 1989
- Met with regional officials
- Distributed newsletter.

October 1989
- Held open houses in eight communities, met Indian Bands.

December 1989 - May 1990
- Internal review of technical and environmental investigations and consultation results
- Resident, government meetings.

May -June 1990
- Second newsletter sent out
- Planning Perspective and Preliminary Planning reports produced
- Second round of open houses held.

Aug - Dec 1990
- Internal review of technical and environmental investigations and consultation results
- Meetings with residents, interest groups and government
- Preparation of application for Energy Project Certificate. ■

Application to be submitted

For almost two years Hydro's project team has been studying route options for a proposed 500 kV transmission line that would connect the Kelly Lake substation near Clinton with the Cheekye substation near Squamish.

An application to the provincial government for approval to design and construct this line is being prepared. It is anticipated that the application will be submitted in the spring of 1991.

Project Manager Jeff Barker says the proposed line would offer continued reliability of supply to the Lower Mainland and Vancouver Island.

During project studies, Hydro investigated environmental and technical implications of the route options. We reviewed study results with the public and once more adapted our proposals to reflect their comments. We continue to modify and discuss route options with the public. On pages four and five we have hi-lighted specific questions raised by community and interest groups, and have shown how we acted on those comments. As a result of this process we are able to develop a route which appears, for the most part, to be "generally favoured" by the community.

Jeff Barker notes that the route developed in the process traverses a number of Indian reserves.

"Discussions are now underway with the affected Native Indian Bands," says Barker. "Some progress has been made on routing which affects reserves. However we have not yet come to a point with some Bands, where agreements are in place to route the line through their respective reserves. Alternatives to bypass their reserves have been investigated and will form the basis for the recommended routing. However it is hoped that agreements can be reached with these Bands in time for the line to be built along the "generally favoured" route," says Barker.

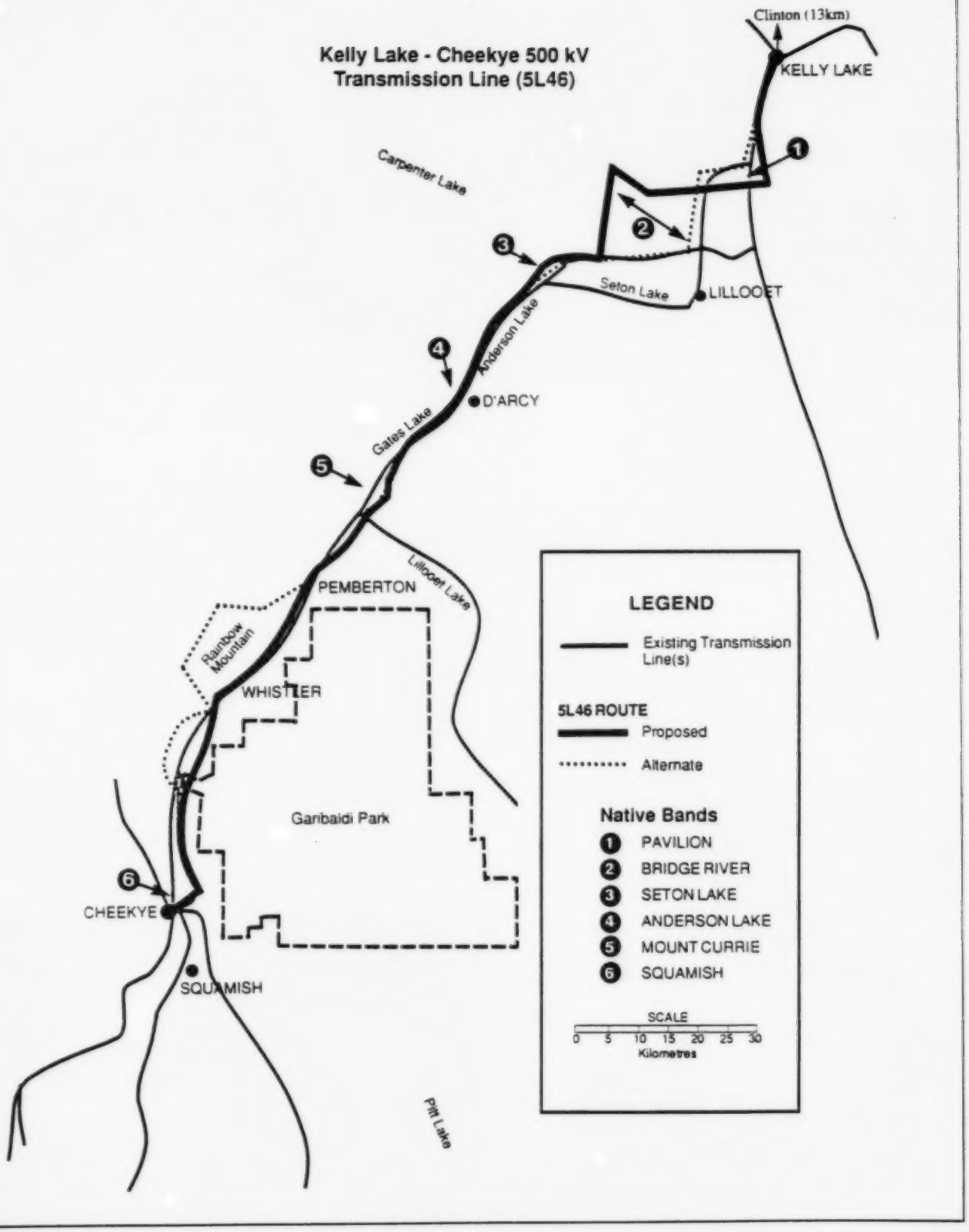
The proposed route and alternatives are shown in more detail on page two.

Barker says that the application for the Energy Project Certificate will also include an expansion to the existing Creekside capacitor station . The expansion would take place on property currently owned by B.C. Hydro. ■

Inside

- Page 4 - Concerns you raised
- Page 6 - Community comments - Hydro responses

Proposed Transmission Route and Alternatives



Routes we are presenting in the application

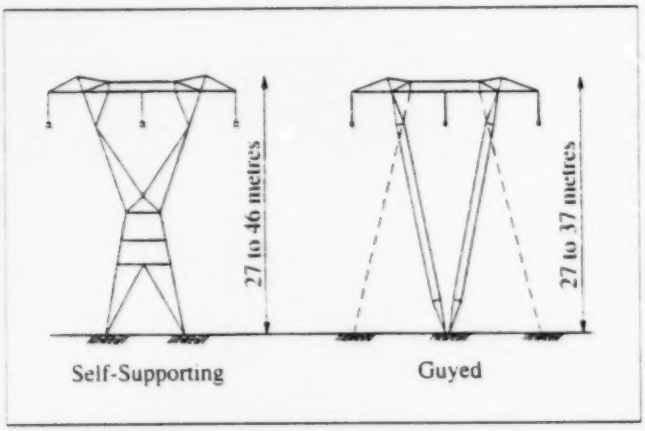
The map shows the proposed route for the transmission line and the routing alternatives which will be included in our application for an Energy Project Certificate.

The route by-passes the Pavilion, Bridge River and Seton Lake Indian Reserves. If our current talks with these Native Bands are successful and agreements to route the line through these reserves are reached, then the alternative routes through these reserves will be used. The route included in the application will by-pass the Lokla Indian Reserve north of Pemberton.

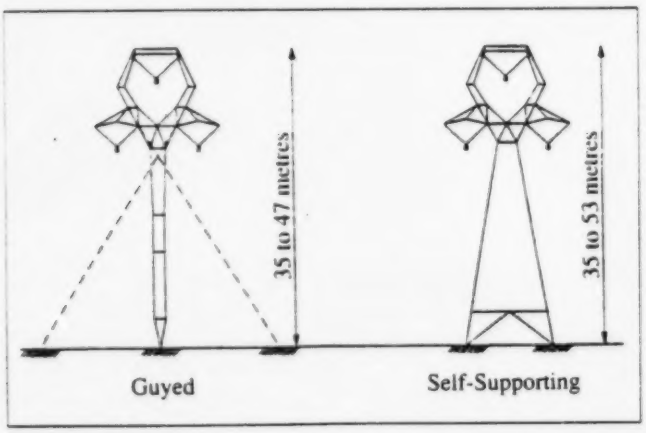
The route through the Resort Municipality of Whistler reflects the results of environmental and technical studies. Unfortunately public consultation has so far not provided a clear direction on the route preferences within the Municipality.

Other routes shown on the map include the "High Cheakamus" and a further sub-option to this known as the "Pinecrest" route. The latter was recently proposed by Black Tusk Village and Pinecrest Estates residents. It is currently under review. The High Cheakamus route will also avoid the Cheakamus Indian Reserve. ▪

Kelly Lake - Cheekye 500 kV Transmission Line Project - Structure Types



Outline of conventional (flat) configuration



Outline of Delta configuration

This is the family of towers we could use for the line. Although delta towers are proposed it could be advantageous and necessary to use flat towers along certain sections of the route to minimize visual impacts.

Self-supporting conventional tower above the Fraser River, north of Lillooet

Consultation

At our first series of open houses in October last year, we presented several route options for the planned transmission line between Clinton and Squamish. In June this year we held a second round of open houses to review results of environmental and technical studies with the public, and discuss a particular route (with some alternatives).

In addition to open houses, we held over 50 meetings with government agencies, interest groups, property owners and other interested parties. Since the project was announced we have answered over 200 inquiries.

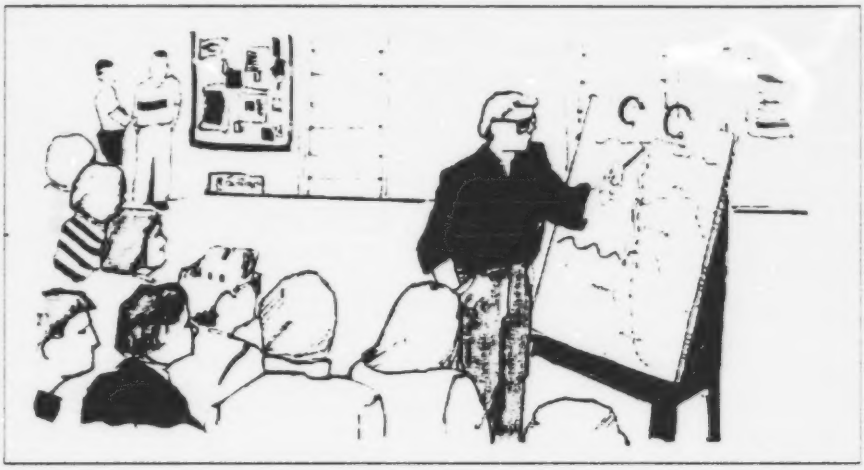
We carefully considered all comments and suggestions - in fact, one of the routes we are proposing, the "High Cheakamus", reflects the concerns of the residents in the Cheakamus Valley. We have also made several site visits and met with residents in an effort to explore all routing suggestions.

As we define the detailed route alignment for the line, we will work more closely with specific property owners and other individuals who would be directly affected.

The chart on page six summarizes comments made by the agencies and groups with whom we met, as well as the action we took in response.

Please let us know your views - complete the clip-out at the back of this newsletter. ■

Listening to concerns you raised



Health effects

The effect of electric and magnetic fields (EMFs) was a subject of discussion at many of our meetings and open houses. During the past 18 months we have distributed detailed information on this subject and have taken field measurements at several locations along the route.

Based on current research, the most up to date information shows that there is no conclusive evidence to support the claim of negative health effects, either to humans or animals. These findings are similar to those of the B.C. Utilities Commission at a public hearing on Vancouver Island in 1989.

B.C. Hydro recognizes the interest and importance of this topic. We have appointed a full-time project manager, Dr. Kelly Gibney, to provide information, answer questions, and monitor research on this topic. Hydro is presently participating in research with the B.C. Cancer Agency and other organizations to better understand the effects of EMF.

EMF information, (along with project information), is available through your regional library, B.C. Hydro offices or by contacting Dr. Gibney collect at 663-3958.

We will make available information about future research results to you on request.

Why the transmission line is needed

We expect that the transmission line will be required in the mid-1990s to serve the electricity demands of the Lower Mainland and Vancouver Island. What is not generally realized is that the Lower Mainland, in an electrical system sense, extends as far north as the Pemberton area (which includes much of the study area). Many of the residents of the study area will benefit from the added reliability of the proposed line.

A brochure entitled "A Planning Perspective" is available to those who would like more detail on the need for the line and how the Kelly Lake to Cheekye project was planned.

Environmental impacts

The environmental studies were integral to the route evaluation process. We carefully investigated effects on aquatic, visual, wildlife, land use and other resources. The results of these studies are reflected in the recommendations for various routes.

We continue to conduct environmental studies in evaluating possible route alternatives. For example, in the Pinecrest Estates Black Tusk Village area, we are looking at environmental impacts of a possible route ("Pinecrest east and west") west of these subdivisions, as well as visual impacts of the "High Cheakamus" routing east of Highway 99.

Transmission line property requirements

When Hydro obtained the property rights for the existing transmission lines, a payment was made to the property owners for these rights. Subsequent property owners were not compensated again because the price they had paid for that property would have reflected this joint use. In some locations widening of or new right-of-way will be required for the proposed line.

As the route becomes better defined we will be consulting further with all affected property owners. We will be meeting with each owner to review details about the project and any concerns they might have. If the project is approved, a property representative will work closely with each property owner and review line routing and clearing and construction details.

Some parts of the proposed 500 kV line will replace an existing 230 kV line on the right-of-way between Bridge River/ Shalalth and the Rainbow substation at Whistler. Where the new line deviates from the existing 230 kV right-of-way, B.C. Hydro will consider releasing it if it is surplus to needs. Between Rainbow and Cheekye substations, the existing 230 kV line may remain in place.

Electric and magnetic field (EMF) information is available through your regional library, B.C. Hydro offices or by contacting Dr. Kelly Gibney collect at 663-3958.

A brochure entitled, "A Planning Perspective" is available to those who would like more detail on the need for the lines and how the Kelly Lake to Cheekye project was chosen.

If you have additional comments please complete the clip-out on the back page of this newsletter.

Swift Creek property owners discuss planned line with Hydro employee. Kevin Graeme (left).

Other public comments

During the second phase of our consultation program members of the public expressed views about routing transmission lines through valley bottoms with development potential.

There was also comment about the number of lines traversing the area and the future need for additional lines. The benefits of the project to the local communities, particularly with regard to employment contracts and economic spin-offs, were of special interest.

We also received some positive feedback about our consultation process and the information we provided on the project.

If you have additional comments please complete the clip-out on the back page of this newsletter. ■

Summary of Community Comments and Hydro Responses

Affiliation	Comment	B.C. Hydro Response
Squamish-Lillooet Regional District (SLRD)	Support use of existing right-of-way (ROW), concern that Bridge option less environmentally desirable than existing ROW.	Met with Squamish-Lillooet Regional District on a number of occasions and with SLRD Advisory group.
Resort Municipality of Whistler (RMOW)	No routing preference stated. Council passed a resolution which included 5 considerations re routing the line through the Whistler corridor.	Responded to 5 items. Awaiting response from Whistler on route options presented. Further discussions proposed.
District of Squamish	Support for High Cheakamus route.	Application currently favours High Cheakamus, alternative Pinecrest route sub-options being reviewed.
Village of Pemberton	Concerned about need for transmission line, support generation at load centre.	Met with SLRD. Pemberton mayor included in meetings. Concerns noted.
Village of Lillooet	Opposed to use of Duffey Lake option for scenic and tourist reasons. Support use of existing corridor.	Duffey Lake option will not be proposed in the application.
Village of Clinton	Interest in economic opportunities.	Acknowledged
Outdoor Recreation Council	Support use of existing ROW as less impact on wilderness.	Agree
Birkenhead Estates	Opposed to use of route option near Birkenhead Lake.	Application will favour route using existing corridor not in proximity to Birkenhead Lake.
Signal Hill Parents Group	Concerned about EMF effects and routing through Pemberton valley in vicinity of school.	Proposed to remove an existing circuit adjacent to school and route new line well to east near an existing line.
North Vancouver School District	Opposed to use of existing right-of-way through North Vancouver Outdoor School. (NVOS)	Application currently favours High Cheakamus route which bypasses NVOS.
Pinecrest Estates and Black Tusk Village	Petition from residents received in fall 1990. Concerned re the additional transmission lines in the corridor. Some attendees at AGM appear to support High Cheakamus.	Additional route options being investigated. Ongoing discussions.
Upper Cheakamus Residents	Opposed to use of existing right-of-way. Support High Cheakamus.	Application currently favours High Cheakamus route.
Property Owners	Concerns expressed by individual owners.	Ongoing discussions, some field meetings and site tours.
Yalakom Ecological Society	Opposed to Bridge option due to lifestyle impacts, support negotiations with Native Bands for route through Reserves.	Ongoing discussions with Native Bands re route options.
Seton Portage Chamber of Commerce	Concern with maintenance of high line road along Anderson Lake between Seton Portage and D'Arcy along existing ROW.	Upgrade road as required for construction. Possible transfer to Ministry of Forests on completion.

Native Band Comments and Hydro Responses

Bands	Comment	Hydro Response
Lillooet Tribal Council; Bridge River, Cayoose, Fountain, Lillooet, Pavilion and Seton Lake Bands	Concerns regarding past and future impacts.	Discussions ongoing.
Anderson Lake Band	Support use of existing route.	Route reflected in application. Discussions underway.
Squamish Band	Concern about use of existing transmission line through reserves.	Discussions proposed.
	Concern re possible archaeological site impact.	Proposed new route would avoid site.
Mount Currie	Opposed to routing through reserve.	Bypass route proposed, limited contact to date.

Discussion with Native Bands

We are currently in discussions with several Bands in the Lillooet Tribal Council within the study area. A Hydro priority is negotiated access through reserves in certain areas to facilitate project planning. However the option of bypassing reserve lands will be maintained where necessary. ■

The government review process

Hydro has been in contact with Provincial government agencies since October of 1989 when we submitted a Project Prospectus describing the project and the proposed studies. This submission was followed up with meetings.

If you would like more information on the Energy Project Review Process please contact:

Director, Energy Projects
Analysis Branch
Ministry of Energy, Mines and Petroleum Resources
617 Government Street
Victoria, BC V8V 4S2

A summary of the results of the environmental and technical studies, along with results of the consultation program was circulated to government agencies in July of 1990 in the Preliminary Planning Report. We asked the agencies concerned to comment. Our responses to those comments are reflected in the Energy Project Certificate (EPC) Application which describes the proposed route and any suggested alternatives, and provides background information.

Hydro's EPC Application will be forwarded to the Minister of Energy, Mines and Petroleum Resources in the spring of 1991. Public hearings may be held depending on the Minister's disposition of the EPC Application. ■

The Steps Ahead

Over the coming months we'll be continuing to meet with property owners to discuss their concerns and comments about the project, as well as with interest groups and individuals . We will be sending out periodic communications to everyone on our mailing list. Updates may also be obtained by calling our toll-free information line 1-800-663-1377.

Results of our studies to date and copies of the application we'll be submitting in the spring of 1991 will be available at the local libraries or municipal offices within the study area. ■

Kelly Lake Cheekye — Comment Form

I would like to be on the Kelly Cheekye mailing list Yes ❑ No ❑

Please send me more information

Project newsletter #1, September 1989 ❑
Project newsletter #2, May 1990 ❑
Prelim. Planning Report (environmental/tech. studies) June 1990 ❑
Planning Perspective (project justification) March 1990 ❑

B.C. Hydro Info Sheets

#1 EMF ❑
#2 The Energy Project Review Process ❑
#5 Long Range Planning ❑
#8 PowerSmart ❑
#10 Land Acquisition Practices ❑
#11 Public Consultation Process ❑

Name: Representing:

Address:

Postal code: Tel:

Please give us your comments on our consultation program

Did you attend project open houses/meetings? Yes ❑ No ❑

How would you rate B.C. Hydro's response to your information requirements?

Very Satisfactory ❑ Satisfactory ❑ OK ❑ Somewhat Dissatisfied ❑

How would you rate the effectiveness of the consultation process?

Very Satisfactory ❑ Satisfactory ❑ OK ❑ Somewhat Dissatisfied ❑

What did you like about the consultation process?

What didn't you like about the consultation program?

What could we have done to improve?

Return to:

B.C. Hydro, External Relations 1610-808 Nelson, Vancouver B.C., V6Z 2H2
Or call our toll free information line at 1-800-663-1377 or Fax 663-3323
We look forward to hearing from you.

Recycled Paper

APPENDIX 3

NEWSPAPER CLIPPINGS

Squamish (B.C.) Citizen
NOV. 16. 1990

Rains swell Green River, causing $500,000 hydro damage

288.

By Cathy Groenewald

Heavy rains last weekend caused almost half a million dollars damage to two hydro towers near the Green River substation.

High water forced Green River to change course, eroding the land surrounding a 500 kV line hydro tower. The tower plunged into the river Sunday evening, dragging a second tower down with it.

BC Hydro production supervisor Larry Ratzlaff said there's no danger to the public, as power systems shut off automatically when the towers went down.

The towers are being repaired now, and should be fully operational by November 25. The plan is to spend $250,000 on rip rap, stones which are not easily dislodged by water flow. A further quarter million will be spent on one big tower to replace the fallen towers.

Power in this particular line is generated at the Peace River Bennett Dam and fed into the Cheekye substation, most of which feeds the lower mainland.

Some of the power is redirected back to Whistler, Squamish and Pemberton, but Ratzlaff said this area will not suffer a power shortage while the lines are down.

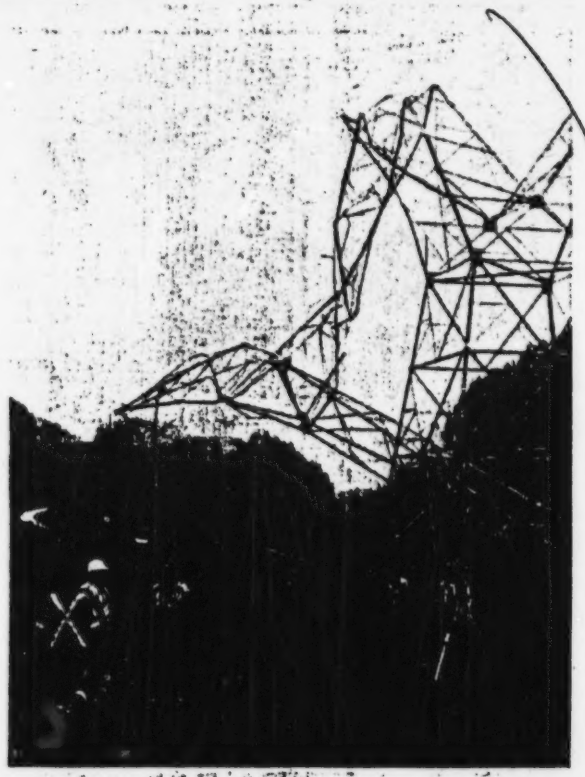
The Duffey Lake Road was also hit hard by excess rain. Near Lillooet Lake, Pemberton works foreman Alec Wood said there was "three or four feet" of water on the road Sunday, forcing closure of the road Monday.

It re-opened Wednesday morning at 10:00 a.m. after water levels dropped significantly.

Though rough, Wood said the road is still passable, with muddy conditions at this end and winter conditions halfway to Lillooet.

Some of the muddy banks have slipped onto the road, which hasn't been graded since early summer due to the native blockade.

Now that the road is open however, Wood estimates it will stay open for the rest of the season.



THE KILOVOLT STOPS HERE. Two B.C. Hydro power line towers were ripped down when heavy rains caused the Green River to change its course and erode a bank last Sunday evening. The 500,000 volt powerline was automaticlly switched off, and presented no danger to people.

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the transaction." The commission concludes that "Accordingly, we shall accept the submittal for filing without suspension or hearing, to become effective September 15, 1988, the date service commenced." Since the new filing changes only the price PGE charges PGX, the marketing affiliate's contracts with the California munis are not affected **[Karl Hanson]**.

[11] BRIEFS, ETC. :: [Power Delivery Plan Developed For Proposed Ski Resort in Okanogan Co-op Territory] Okanogan County Electric Co-op will be offering developers of the proposed Early Winters ski resort near Mazama, Washington, two alternatives for delivering the necessary power. Co-op manager Bud Pringle said the first option is to upgrade existing distribution lines from Winthrop to Mazama at a cost of about $1 million. The upgrade would supply power needs for only the first three to seven years of the resort's operation. The second, long-term option would involve building a new substation and a 115 KV line from Winthrop to the development site--a distance of about 14 miles. Pringle said this alternative would cost at least $2.5 million but would cover the next 20 years growth.

While it is still not clear whether the resort–which faces strong opposition–will be built, Pringle said the co-op is trying to provide developers with as much information as possible about power options. Developers face a number of other hurdles with issues such as zoning that will ultimately factor into whatever plan they make for electric service. After a two-year construction period, Early Winters would add 5 to 8 MW to the co-op's current 10 MW load; by the end of 20 years, the resort's peak demand could reach 30 MW **[S. K. V.]**.

[BC Hydro Repairing Flood-Damaged Transmission Line] BC Hydro says that by the weekend it will have completed repairs to one of two 500 KV lines that serve Vancouver Island and the Sunshine Coast. The line was knocked out on November 10 when floods on the Green River near Pemberton washed out one transmission tower and buckled another, bringing down about 1,800 feet of transmission line. A Hydro news release said the repairs will cost more than $500,000.

The problem demonstrates the concerns about Vancouver Island service reliability that have prompted BC Hydro to encourage more local self sufficiency through private sector resources such as cogeneration. Vancouver Island currently receives 70 percent of its electricity from sources on the mainland. While increased generation on the island will help relieve pressure on Hydro's mainland grid, production vice president Don Swoboda said the utility still has a pressing need for new lines to serve the Lower Mainland, where most of its customers are located. "Through continuing load increases we have used up all our margins . . . and the loss of any one of four major lines from the Peace and Columbia systems brings us to a critical point in providing reliable service," he said. No new transmission lines have been built to serve the Lower Mainland since 1977, but Hydro has plans for two more high voltage lines in the area, to be in service by 1995 and 1998 **[K. H.]**.

[Pulp Mills Receive Conversion Grants for Vancouver Island Pipeline] The BC government has approved a $30 million conversion program for pulp and paper mills along the route of the Vancouver Island natural gas pipeline to help the mills convert existing oil-burning equipment to also allow the use of natural gas. A spokesman said the program will cover 75 percent to 80 percent of the total conversion costs, with the ceiling placed at $30 million. In all, seven mills are eligible for conversion assistance under the program. They are: MacMillan Bloedel's mills at Port Alberni, Harmac and Powell River; Fletcher Challenge's mills at Elk Falls and Crofton; Western Pulp Ltd. Partnership's mill at Woodfibre; and Howe Sound Pulp and Paper's mills at Port Mellon. The agreement by the mills to use natural gas whenever possible was the key to making the $500 million pipeline economical.

Gas transportation agreements between the mills and Pacific Coast Energy, builder and operator of the pipeline, were signed last month. Construction of the line from Greater Vancouver to a point near Comox on Vancouver Island began last fall. Full operation is expected to begin by the fall of 1991 **[B. L.]**.

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Squamish (B.C.) Citizen

DEC. 20. 1990

EMF health risk of concern to Pemberton parents

288

By Cathy Groenewald

Pemberton parents concerned about their childrens' exposure to Electro Magnetic Forces at Signal Hill Elementary School will have to wait until at least January to see the school board take action.

Jamie Tattersfield, Parent's Advisory Council member, said he wants the board to commit itself to independently measuring the levels at the school, and to avoid putting schools and sources of EMF in close proximity. EMF have been linked to health risks including leukemia, but there is no clear evidence to date.

A 500 kV and a 230 kV line already run within 30 metres of the school, and B.C. Hydro is planning to upgrade the 230 kV line.

But School board Chairman Anne Devent said Monday "I agree we need to look at where they're (B.C. Hydro) putting the lines, but there's not enough evidence to make a stand."

She said the facilities committee will be looking at the problem, but it doesn't meet again until January. That doesn't mean the problem hasn't been seriously considered. Devent has met with a B.C. Hydro representative to measure EMF levels, and she said school trustees have made themselves aware of the controversy.

Tattersfield said he isn't expecting the board to go off half-cocked, but he said the Parent's Advisory Council made a presentation October 24 to the board, and followed it up with a letter dated November 29, and no action has been taken to date. "I don't want to get down to a big confrontation. Just a gentle prod." He added "You can't fight a marshmallow."

He said he realizes EMF levels do not necessarily point to health hazards, but "We believe strongly that it is irresponsible to subject children to thirty hours a week of exposure to EMF which could be avoided."

He added other schools in the district are facing similar problems, including Stawamus Elementary in Squamish.

Devent said measuring the levels independently may not make much difference. "When you measure, how high is high? What does a

Cont'd on page 2

EMFs of concern

From page 1

10 mean, or a 50, or a 100?

She said "I can understan their concerns, but there' no conclusive evidence a of yet." There's also ecc nomics to consider. Relc cating a hydro line unde ground would be far too ex pensive.

Signal Hill is in a uniqu position, because the schoc was built after the hydr lines, and B.C. Hydro actu ally let the school board us their land 20 years ago.

Whistler (B C) Question
JAN 24 1991

RMOW keeping eye on Hydro's plans for valley

The municipality is attempting to hire a consultant who can provide an overview on B.C. Hydro's plans for future power lines through the valley, Mayor Ted Nebbeling said Wednesday.

Hydro informed communities in 1989 that it was looking at running a second 500 kV powerline from its Kelly Lake substation to Cheekeye in order to meet expected power demands from the Lower Mainland. The Whistler council of the day tacitly accepted Hydro's contention that putting the line through the Whistler valley was the cheapest route and was preferable to going through a neighboring pristine valley.

However, last year the municipality discovered that Hydro had plans for a third 500 kV power line through the Whistler valley and council members' support for the project waned.

Currently there is one 500 kV line and two 230 kV power lines through the valley. Hydro has indicated there is not enough room in the valley for more than three power lines, so if additional 500 kV lines were built the 230 kV-lines would likely be removed.

However, Nebbeling said the municipality is trying to get a better overview of Hydro's plans and look at the long-term prospects for the valley.

He said that in his opinion, Hydro should avoid the Whistler area altogether.

"I think Hydro should look at using the Fraser Valley" as a means of transmitting power from Kelly Lake to the Lower Mainland, Nebbeling said.

"It may be more expensive today, but the long-term costs, including the recreation and tourism potential in the corridor, may make (a Fraser Valley route) viable."

He also was against running power lines through neighboring valleys.

"Personally, I don't think putting the lines behind Rainbow Mountain is an option," Nebbeling said.

Hydro has not announced a final decision on the power lines.

APPENDIX 4

STANDARD LETTERS DISTRIBUTED: PHASE 3

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J. Barker
Project Manager
(604) 663-4014
Fax (604) 663-2037

5 July 1990

5L46-F2

Mr. Dan Cumming, Chairman
Squamish-Lillooet Regional District
Box 219
Pemberton, B.C.
VON 2LO

RECEIVED
JUL 0 6 1990
EXTERNAL RELATIONS

Dear Chairman Cumming and Board:

Re: Kelly Lake - Cheekye 500 kV Transmission Line Project
Regional District Advisory Group

I am writing in response to Mr. I. Knowles 27 March and 8 May 1990 letters and to our 6 June 1990 meeting (attendees were Mary Algar, Jeff Barker and Dan Cumming) concerning the formation of the above noted group.

In order to provide the advisory group with background information, I am enclosing 24 copies of each of the following:

- Project newsletter #2, dated May 1990 which was forwarded to all households in the study area prior to the project Open Houses held from June 4 - 13 inclusive.
- Kelly Lake - Cheekye - A Planning Perspective (March 1990)
- Kelly Lake to Cheekye Substation - Preliminary Planning Report (May 1990)

I had previously forwarded 12 copies of this information to Mr. Knowles who kindly distributed it to your Board members at your 28 May 1990 meeting in Lillooet.

It is suggested that the advisory group's terms of reference include the following responsibilities:

- Review the above noted Preliminary Planning Report. This report incorporates the results of the environmental and technical route studies and the public consultation carried out to date. Part of that public consultation program includes meetings and correspondence with your Board and your stated preference that the proposed line generally follow the existing transmission line corridor.
- Provide comment to the Board on specific routing concerns within that corridor.

- Comment on any future public consultation.
- Lend support to the Regional District Board on their continuing participation in representing regional interests and;
- Represent the Squamish-Lillooet Regional District (SLRD) at local public meetings.

We concur with your advice that the advisory group will report directly to the SLRD during the phase of work leading to B.C. Hydro' submission of an Application for an Energy Project Certificate. We would like to offer to have our Project Public Consultation Officer, Kevin Graeme, attend (ex-officio) advisory group meetings in order to facilitate information flow.

There are several routing options currently under study and which are not described in the enclosed materials. As we discussed at our 6 June 1990 meeting, a route further east, near the existing 500 kV line from Cheekye Substation to the area near Brandywine Falls is being investigated. This was discussed at the 4 June 1990 meeting with the residents of the Upper Cheakamus area and was described as the "eastern Cheakamus option". Other routes to bypass particular Indian reserves throughout the line are also being investigated.

We would like to arrange to review and finalize the formation of this advisory group and to discuss the status of our studies and consultation at your earliest convenience. If you have any questions in the meantime please contact Kevin Graeme at 663-3414 (collect) or myself at 663-4014 (collect).

Yours truly,

J. Barker, P. Eng.

JB/km

Enclosure

cc K. Graeme
M. Algar

BCHydro

proud of our Service

J. (Jeff) Barker, P. Eng.
Project Manager
TEL (604) 663-4014
FAX (604) 663-2037

25 October 1990

Mr. Dan Cumming, Chairman
Regional District of Squamish Lillooet
Box 219
Pemberton, B.C. VON 2LO

VIA FAX to 894-6526 and 896-2264

Dear Mr. Cumming:

Re: Kelly Lake - Cheekye 500 kV Transmission Line Project
Squamish Lillooet Regional District Advisory Group

Further to your 16 October 1990 conversation with Mary Algar, I would like to confirm B.C. Hydro's attendance at the upcoming Advisory Group meeting in the Squamish - Lillooet Regional District's offices in Pemberton on 29 October 1990 at 2:00 p.m.

As this is the first meeting of the Advisory Group, may I suggest that the agenda include a progress report by members of the Kelly Lake - Cheekye project team. In order to provide a review of project studies, consultation program, routing alternatives and upcoming activities, we would be pleased to provide this update as follows:

1.	Project Overview	(10 min.)	Jeff Barker
2.	Routing Alternatives and Environmental/Technical Studies	(15 min.)	Ken Farquharson
3.	Project Schedule	(5 min.)	Jeff Barker
4.	Questions and Discussion		All

If you would like to address topics not included above, please let us know and we will try to arrange to have the appropriate person present. If you have any comments or questions prior to the 29th, please contact Kevin Graeme, our Project Consultation Officer, at 663-3414 or myself at 663-4014. We look forward to your meeting on the 29th.

Yours truly,

J. Barker

c: K. Farquharson
K. Graeme

BCHydro

proud of our Service

7 November 1990

Dear Resident/Property Owner (see list attached):

Kelly Lake-Cheekye 500 kV Transmission Line Project

Over the last year or so, B.C. Hydro has been reviewing routing options for the proposed 500 kV transmission line between Kelly Lake, near Clinton, and Cheekye substation, near Squamish. You are on our mailing list as a result of your interest in the transmission line routing through the Cheakamus Valley.

At a meeting held at the Brackendale Art Gallery last June and attended by a number of residents of the upper Cheakamus, we presented routing options in the Cheakamus area, including a newly identified route located east of Highway 99, known as the "High Cheakamus" route. We offered at that meeting to advise interested individuals of B.C. Hydro's routing plans in the Cheakamus area after a thorough review of the High Cheakamus route.

We have carried out environmental and technical studies of this route. I can now advise you that the generally favoured routing in this region is the High Cheakamus route (see attached map). This information will be reflected in our upcoming application for an Energy Project Certificate which will be submitted to the Minister of Energy, Mines and Petroleum Resources.

Should the High Cheakamus route be approved by the regulatory agencies, B.C. Hydro will review both the removal of the existing transmission line in the valley (2L1) and the release of its right-of-way.

British Columbia Hydro and Power Authority, 970 Burrard Street, Vancouver B.C. Canada V6Z 1Y3

At our meeting in June we also offered to meet again in the fall to share the results of the environmental and technical studies. If you are still interested in a meeting or open house to review these studies or other aspects of the project, please call Kevin Graeme, our Project Consultation Officer, (collect) at 663-3414 or Jeff Barker at 663-4014. We will arrange a meeting if sufficient interest exists.

Yours truly,

J.C. Edwards
Manager
External Relations

Attachment

c: J. Barker
K. Graeme

Cheekye Substation
Kelly Lake - Cheekye
500 kV Transmission Line
Proposed *High Cheakamus* Route
November 1990
Scale 1:100 000

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J. (Jeff) Barker, P. Eng.
Project Manager
TEL (604) 663-4014
FAX (604) 663-2037

29 November 1990

FILE: 5L46-F2

RECEIVED

NOV 30 1990

EXTERNAL RELATIONS

Mr. Dan Cumming, Chairman
Squamish - Lillooet Regional District
Box 219
Pemberton, B.C.
VON 2LO

BY FAX

Dear Mr. Cumming & Board:

Re: Kelly Lake - Cheekye 500 kV Transmission Line Project
Meeting with SLRD Advisory Group - 29 October, 1990

Thank you for the opportunity of meeting with you and the Squamish - Lillooet Regional District (SLRD) Advisory Group on 29 October, 1990 at your Pemberton office. If you have any comments on the summary notes of our meeting, which I have attached, please let me know.

As you will recall from our meeting, we offered to investigate a route west of Highway 99, which we now refer to as the "Pinecrest route". This route would be an alternative to portions of the favoured "High Cheakamus" route, which lies east of Highway 99. We noted that all representatives supported the route we identified as being generally favoured, with the exception of Doug McDonald. Our representatives have since met on site with Mr. McDonald and with Mr. Ian Barnett (of Pinecrest Estates) to review the 'Pinecrest' and 'High Cheakamus' routing options. Some additional environmental studies, are being commissioned.

Since our meeting I contacted Sarah Chandler to respond to her concerns about possible interference with TV reception in Lillooet. She referred me to Mr. John Willey of the Lillooet-Camelsfoot TV Association. We have been unable to contact Mr. Willey to obtain the location and technical details of the TV facilities, but we'll keep trying.

As you know, Hydro continues to meet with the Lillooet Tribal Council and its member Bands to review agreements and discuss the proposed transmission line routing options. We have noted your support for an arrangement with Pavilion and Bridge River Bands so that the bypass route would not be required.

B.C. Hydro plans to submit an Energy Project Certificate application to the Minister of Energy, Mines and Petroleum Resources in the near future. We expect that the application will present the non-reserve routes which bypass Pavilion, Bridge River, Seton Lake and Mt. Currie reserves. We will still have the flexibility, however, to consider routes which traverse the reserves should the progress of band negotiations, and other factors, permit.

At the recent meeting, we noted some concern expressed by the Advisory Group members regarding the composition, terms of reference and future role of the Group. We would be interested in hearing your comments in this regard.

In the meantime, thank you once again for the opportunity to meet with you.

Yours truly,

J. Barker, P. Eng.

Attach.

[illegible]

proud of our Service

23 January 1991

^F1^^F2^^F3^
^F4^

Dear ^F1^^F3^:

Kelly Lake-Cheekye 500 kV Transmission Line Project

I am writing in response to your interest in transmission line routing for the proposed Kelly Lake-Cheekye transmission line project (especially in the vicinity of Pinecrest Estates and Black Tusk Village), as your name was included on a recent petition objecting to the construction of another complete set of steel towers within the Squamish-Whistler corridor.

By way of background, the Kelly Lake-Cheekye project has been under study for the past year and a half. These studies have included detailed environmental and technical route evaluation studies and a program of public consultation. This program in turn included distribution of two project newsletters to all households in the study area from Squamish to Clinton (including those in Pinecrest Estates and Black Tusk Village). Two series of open houses were held in all study area communities (eight open houses were held in October 1989 and seven were held in June 1990). These open houses were widely advertised and, in your area, were held in Brackendale and Whistler.

At a meeting following the open house held at the Brackendale Art Gallery last June and attended by a number of residents of the Upper Cheakamus area, transmission line routing options in the Cheakamus area were presented. Transmission line routing options in the vicinity of the Pinecrest Estates and Black Tusk Village include:

1. removal of one of the existing 230 kV transmission lines between Pinecrest and Black Tusk subdivisions and Highway 99 (namely, circuit 2L1 closest to the highway) and replacing it with the proposed 500 kV transmission line; or

2. locating the proposed 500 kV line east of Highway 99 and east of Daisy Lake (this is known as the "High Cheakamus" route). In your area the new transmission line would be a minimum 2.5 km east of Highway 99; or

3. locating the proposed line west of both the Pinecrest and Black Tusk Village subdivisions (this is referred to as either the "Pinecrest

British Columbia Hydro and Power Authority, 970 Burrard Street, Vancouver B.C. Canada V6Z 1Y3

East" or "Pinecrest West" route alternative). In your area the new transmission line would vary from 0.5 to 1.0 km from the subdivision.

As a result of your concern as noted in the details of your petition, we are now undertaking further technical and environmental studies of the "Pinecrest" (No. 3 above) alternatives to the High Cheakamus route. I must advise you, however, that preliminary advice from our environmental studies coordinator does not favour either "Pinecrest" alternative.

It should also be noted that the "High Cheakamus" option is favoured by the residents of the Upper Cheakamus area and it is our intent to include the "High Cheakamus" option as the generally favoured route in our application for regulatory approval which we are expected to submit in early 1991. For your reference, attached is a map which shows the above noted route options.

We had the opportunity to present an overview of the project and the above routing options to owners of the Pinecrest Estates subdivision on 21 November 1990 at their annual general meeting in Vancouver. It is our understanding that a number of the attendees at that meeting, which included some of the signatories to the petition, supported the choice of the "High Cheakamus" option.

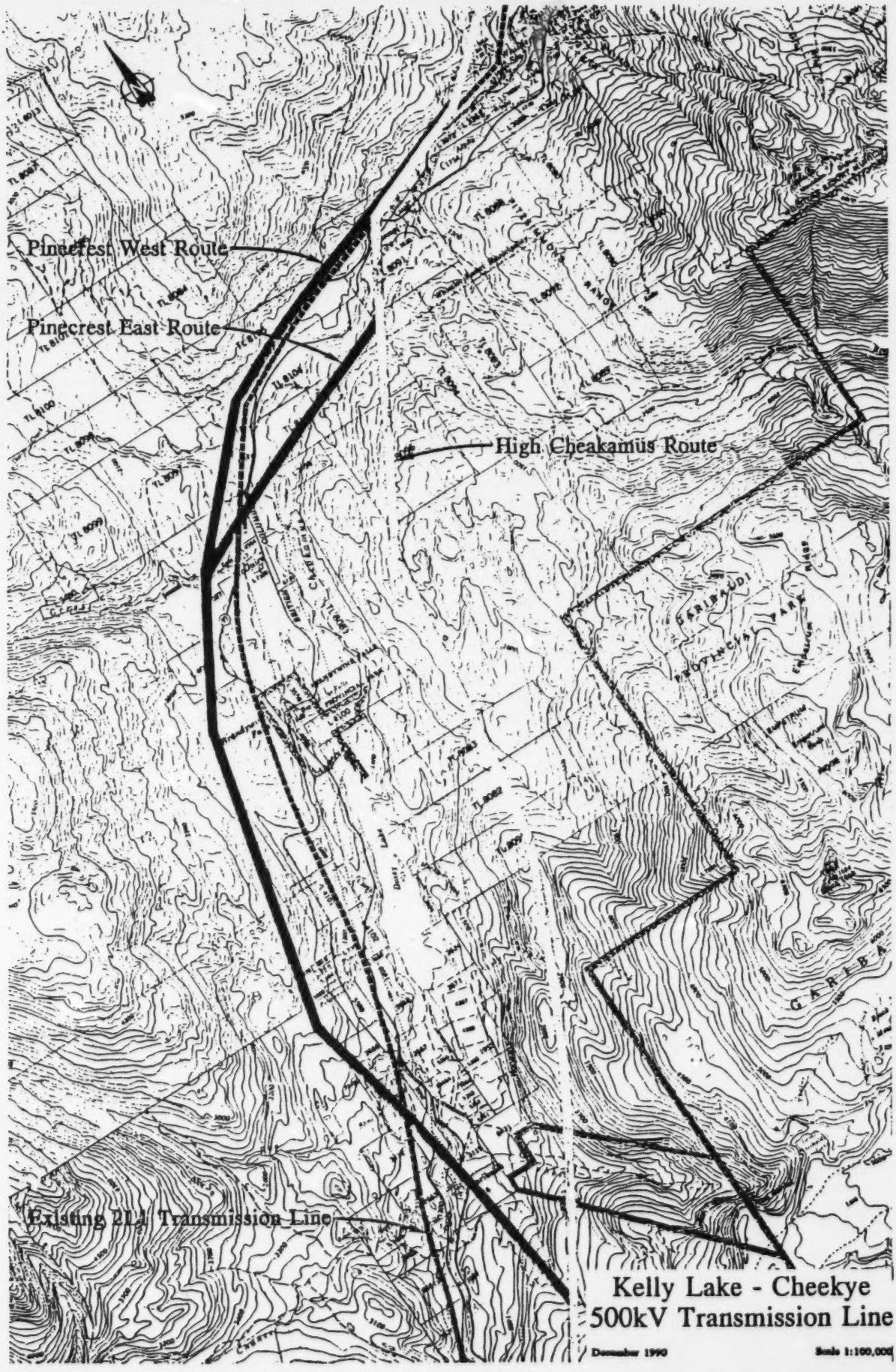
When the results of the studies on the "Pinecrest" option are complete, we would be pleased to share them with you. In the meantime, if you need further information or if you would like a specific open house or meeting to review the studies or any other aspect of the project with project team members, please call our Public Consultation Officer, Kevin Graeme, at 663-3414 (collect) or our Project Manager, Jeff Barker, at 663-4014.

Yours truly,

J.C. Edwards
Manager
External Relations

Attachment

c: J. Barker
K. Graeme


Pinecrest West Route
Pinecrest East Route
High Cheakamus Route
Existing 214 Transmission Line
GARIBALDI
PROVINCIAL PARK
GARIBA
Kelly Lake - Cheekye
500kV Transmission Line
December 1990
Scale 1:100,000

27 February 1991

^F1^

Dear MP/MLA:

Kelly Lake - Cheekye 500 kV Transmission Line Project

In my 1 June 1990 letter to you, I provided a project update and outlined plans for a second series of Open Houses for the proposed Kelly Lake - Cheekye transmission line. As you may recall, this transmission line is being planned to serve the growing electricity requirements of the Lower Mainland and Vancouver Island, which includes the area north of Squamish to Pemberton.

Following the June 1990 Open Houses, we continued discussions with governments, native bands, interest groups, property owners and others in an effort to refine the route alternatives and address the concerns that were raised. A summary of these activities and our recommendations are outlined in the attached "Newsbrief".

The generally favoured route, refined slightly since our last newsletter, follows the existing transmission line corridor for most of its length, with some routing adjustments in the Whistler area and the Cheakamus Valley. We are continuing our discussions and studies in several locations, including routes involving native reserves and the Whistler area.

We currently plan to submit an application to the Minister of Energy, Mines and Petroleum Resources in the spring of 1991 to construct the transmission line. This application will focus on the generally favoured route, except for those areas where there is not yet agreement reached with native bands to locate the lines across their reserves. In these cases, bypass routes will be proposed in the application, although route alternatives through those reserves are to be presented in the event that agreements with the bands can be achieved.

We plan to continue consultation activities and will keep you apprised of the disposition of our application and other key project activities. If you have any questions in the meantime or would like to be briefed on the project, please call me at 663-2653 or contact Jack Edwards, our Manager of External Relations, at 663-3795.

Yours truly,

ORIGINAL SIGNED BY
T. THOMPSON

Thom M. Thompson
Manager
Government and Public Affairs

Attachment

c: The Honourable Jack Davis
Anne Edwards, MLA
J.C. Edwards

2-E62.L

27 February 1991

^F1^

Dear Regional District Chairman:

Kelly Lake - Cheekye 500 kV Transmission Line Project

In my 25 May 1990 letter to you I provided a project update and outlined plans for a second series of Open Houses for the proposed Kelly Lake - Cheekye transmission line. As you may recall, this transmission line is required to serve the growing electricity requirements of the Lower Mainland and Vancouver Island, which includes the area north of Squamish to Pemberton.

Following the June 1990 Open Houses, we continued discussions with governments, native bands, interest groups, property owners and others in an effort to refine the route alternatives and address the concerns that were raised. A summary of these activities and our recommendations are outlined in the attached "Newsbrief".

The generally favoured route, refined slightly since our last newsletter, follows the existing transmission line corridor for most of its length, with some routing adjustments in the Whistler area and the Cheakamus Valley. We are continuing our discussions and studies in several locations, including routes through native reserves and the Whistler area.

We currently plan to submit an application to the Minister of Energy, Mines and Petroleum Resources in the spring of 1991 to construct the transmission line. This application will focus on the generally favoured route, except for those areas where there is not yet agreement reached with native bands to locate the lines across their reserves. In these cases, bypass routes will be proposed in the application, although route alternatives through those reserves are to be presented in the event that agreements with the bands can be achieved.

We plan to continue our consultation activities and will keep you apprised of the disposition of application and other project details. If you have any questions in the meantime, or would like a presentation to your Regional District Board, please call me at 663-3795 or contact Mary Algar our Senior Public Affairs Coordinator, at 663-3796.

Yours truly,

J.C. Edwards
Manager
External Relations

Attachment

c: M.R. Algar

2-E61.L

27 February 1991

`F1`

Dear Mayor:

Kelly Lake - Cheekye 500 kV Transmission Line Project

In my 25 May 1990 letter to you I provided a project update and outlined plans for a second series of Open Houses for the proposed Kelly Lake - Cheekye transmission line. As you may recall, this transmission line is required to serve the growing electricity requirements of the Lower Mainland and Vancouver Island, which includes the area north of Squamish to Pemberton.

Following the June 1990 Open Houses, we continued discussions with governments, native bands, interest groups, property owners and others in an effort to refine the route alternatives and address the concerns that were raised. A summary of these activities and our recommendations are outlined in the attached "Newsbrief".

The generally favoured route, refined slightly since our last newsletter, follows the existing transmission line corridor for most of its length, with some routing adjustments in the Whistler area and the Cheakamus Valley. We are continuing our discussions and studies in several locations, including routes through native reserves and the Whistler area.

We currently plan to submit an application to the Minister of Energy, Mines and Petroleum Resources in the spring of 1991 to construct the transmission line. This application will focus on the generally favoured route, except for those areas where there is not yet agreement reached with native bands to locate the lines across their reserves. In these cases, bypass routes will be proposed in the application, although route alternatives through those reserves are to be presented in the event that agreements with the bands can be achieved.

We plan to continue our consultation activities and will keep you apprised of the disposition of application and other project details. If you have any questions in the meantime, or would like a presentation to your Council, please call me at 663-3795 or contact Mary Algar our Senior Public Affairs Coordinator, at 663-3796.

Yours truly,

J.C. Edwards
Manager
External Relations

Attachment

c: M.R. Algar

28 February 1991

^F1^

Dear Media List:

Kelly Lake - Cheekye 500 kV Transmission Line Project

In my June 1990 letter to those on our mailing list I provided a project update and outlined plans for a second series of Open Houses for the proposed Kelly Lake - Cheekye transmission line. As you may recall, this transmission line is required to serve the growing electricity requirements of the Lower Mainland and Vancouver Island, which includes the area north of Squamish to Pemberton.

Following the June 1990 Open Houses, we have continued discussions with governments, native bands, interest groups, property owners and others in an effort to refine the route alternatives and address the concerns that had been raised. A summary of these activities and our recommendations are outlined in the attached "Newsbrief".

The generally favoured route, refined slightly since our last newsletter, follows the existing transmission line corridor for most of its length, with some routing adjustments in the Whistler area and the Cheakamus Valley. We are continuing our discussions and studies in several locations, including routes through native reserves and the Whistler area.

We currently plan to submit an application to construct the transmission line to the Minister of Energy, Mines and Petroleum Resources in the spring of 1991. This application will focus on the generally favoured route, except for those areas where agreements with native bands to locate the line across their reserves have not yet been reached. In this case, bypass route options will be proposed, although routes through those reserves are included in the hope that agreements with the bands can be achieved.

We are continuing our current consultation activities and will be meeting interested parties to provide further project information. You will also continue to receive project updates. Should you have any questions or wish to arrange a personal interview please call our Project Manager, Jeff Barker at 663-4014 or Mary Algar, our Senior Public Affairs Coordinator, at 663-3796.

Yours truly,

J.C. Edwards

Attachment

c: M. Algar
J. Barker

2-E66.L

1 March 1991

^F1^

To Whom It May Concern: (Information Centres)

Kelly Lake - Cheekye 500 kV Transmission Line Project

Your facility was previously selected as an "information centre" because of its public accessibility and location. It would be greatly appreciated if you would continue in your role by providing copies of the attached "Newsbrief" to interested individuals should they inquire about the proposed transmission line project.

In my June 1990 letter to those on our mail list, I provided a project update and outlined plans for a second series of Open Houses for the proposed Kelly Lake - Cheekye transmission line. As you may recall, this transmission line is required to serve the growing electricity requirements of the Lower Mainland and Vancouver Island, which includes the area north of Squamish to Pemberton.

Following the June 1990 Open Houses, we have continued discussions with governments, native bands, interest groups, property owners and others in an effort to refine the route alternatives and address the concerns that had been raised. A summary of these activities and our recommendations are outlined in the attached "Newsbrief".

The generally favoured route, refined slightly since our last newsletter, follows the existing transmission line corridor for most of its length, with some routing adjustments in the Whistler area and the Cheakamus Valley. We are continuing our discussions and studies in several locations, including routes through native reserves and the Whistler area.

We currently plan to submit an application to construct the transmission line to the Minister of Energy, Mines and Petroleum Resources in the spring of 1991. This application will focus on the generally favoured route, except for those areas where agreements with native bands to locate the line across their reserves have not yet been reached. In this case, bypass route options will be proposed, although routes through those reserves are included in the hope that agreements with the bands can be achieved.

We plan to continue our activities and would be pleased to meet with interested individuals or groups to provide further information. Should you have any questions please call Kevin Graeme, our public consultation officer (collect) at 663-3414 or our toll free information line at 1-800-663-1377.

Yours truly,

J. Edwards

Attachment

c: K. Graeme

4 March 1991

^F1^

Dear Pinecrest/Black Tusk Village Property Owners:

Kelly Lake - Cheekye 500 kV Transmission Line Project

As you may be aware, over the past year and a half B.C. Hydro has been investigating various route alternatives for a proposed 500 kV transmission line to connect the Kelly Lake Substation (near Clinton) to the Cheekye Substation (near Squamish). This transmission line is necessary to serve the growing electricity requirements of the Lower Mainland and Vancouver Island, which includes the area north of Squamish to Pemberton.

Through comprehensive environmental and technical studies as well as a public consultation program a "generally favoured" route has emerged. Your property is located either adjacent to the proposed generally favoured route (High Cheakamus) or the recently identified alternative route (referred to as "Pinecrest West" or "Pinecrest East").

We have hosted two sets of local Open Houses throughout the study area, in October 1989 and June 1990, as well as meetings with governments, native bands, interest groups, property owners and others in an effort to refine the route alternatives and address the concerns that were raised. A summary of these activities and our recommendations are outlined in the attached "Newsbrief".

The generally favoured route, which emerged as a result of the detailed studies and consultation, has been refined slightly since our last newsletter (May 1990, copy enclosed). Presently the generally favoured route follows the existing 230 kV transmission line (2L1) right-of-way for most of its length, with some routing adjustments in the Whistler area and in the Cheakamus Valley.

We are continuing our current consultation activities and propose to hold an Open House in the area of Black Tusk Village and the Pinecrest Estates on Thursday, 14 March 1991 in the Brackendale Art Gallery, 41950 Government Road, Brackendale in order to seek your comment on the High Cheakamus route as well as the Pinecrest West and Pinecrest East alternatives.

We currently plan to submit an application to the Minister of Energy, Mines and Petroleum Resources in the spring of 1991, to construct the transmission line. This application will focus on the generally favoured route, except for those areas where there is not yet agreement reached with native bands to locate the line across their reserves. In these cases, bypass routes will be proposed in the application, although route alternatives through those reserves are to be presented in the event that agreements with the bands can be achieved.

Your name has been added to our mailing list and you will receive future project updates. If you have any questions please contact Kevin Graeme, our public consultation officer (collect) at 663-3414 or call our Land Representative, Al Forbes (collect) at 663-2453.

Yours truly,

J. Edwards

Attachments

c: K. Graeme

APPENDIX 5

SUMMARY OF PUBLIC INFORMATION REQUESTS: PHASE 3

Summary of Public Information Requests
Kelly Lake-Cheekye Project

October 1, 1990 to February 28, 1991

Issue	Number of Requests
Routing	19
Project Information	6
EMFs	5
Vegetation Management	3
Wildlife	2
Property Concerns	2
Native Issues	2
Rates	1
Visual Impacts	1
Energy Conservation	1
Rights-of-Way	1
Resource Plan	1
Radio Interference	1
Project Planning	1